

CLAIMS

1. A device to prevent the wobbling of the cog wheels (3) arranged on the main shaft (6) in a transmission with two countershafts (1, 2) is thereby characterized by at least one of the cog wheels including a disk (7) which is connected, on the one hand, with the respective cog wheel (3) and is supported, on the other hand, against the face side of the gearing (8) of the countershafts (1, 2) or, as the case may be, the intermediate shafts (12) for the reverse gears, whereby the respective cog wheel (3) is pushed by means of the spring action against the disk (7).

2. Device according to claim 1 is thereby characterized by the disk (7) having a spring-loaded design

3. Device according to claim 1 is thereby characterized by the disk (7) being connected to the cog wheel (3) by at least one bolt (9) guided through the cog wheel (3), whereby the bolt (9) pushes the cog wheel (3) in the direction of the disk (7) by means of the installed spring (10).

4. Device according to claim 3 is thereby characterized by three bolts (9) being provided for fastening the disk to the cog wheel (3).

5. Device according to one of the preceding claims is thereby characterized by the angle between the end of the disk (7) facing the countershafts (1, 2) or, as the case may be, the intermediate shaft (12) for the reverse gear and the perpendicular of the countershaft (1, 2) or, as the case may be, the intermediate shaft (12) for the reverse gear amounting in the radial direction to about 3°.

6. Device according to one of the preceding claims is thereby characterized by the contact surfaces between the disk (7) and the gearing of the countershafts (1, 2) or, as the case may be, the intermediate shaft (12) for the reverse gear having a cone-shaped design.

7. Device according to one of the preceding claims is thereby characterized by the contact surfaces between the disk (7) and the gearing of the countershafts (1, 2) or, as the case may be, the intermediate shaft (12) for the

reverse gear being located near the pitch circle so that the sliding parts can be kept as small as possible.